

Patent claims

1. A rail guide (1) for a suspended and guided sliding component (2) having a drive mechanism (4) of a carriage (5) being guided in the rail guide (1) in a rolling manner, in a side-by-side disposition the rail guide (1) consisting of two guiding rails (6, 6') that are disposed mirror-inverted with regard to one another, each guiding rail (6, 6') presenting a running path (7) for at least one carrying roller (8) and at least one guiding roller (9, 10) of the drive mechanism (4), and two carriages (5), which are spaced apart, being assigned to each sliding component (2), characterized in that each guiding rail (6, 6') substantially consists of a vertical strut (11) and an upper horizontal and a lower horizontal leg (12, 12', 13, 13') respectively, each being oriented against legs (12, 12', 13, 13') of the adjacent guiding rail (6, 6'), in that a longitudinal slot (14) for the passage of a suspension bolt (15) is provided between the lower legs (13, 13'), in that, at least in the region of the adjoining frontal butt joints of the guiding rails (6, 6') of a line of rails (28), aligned apertures (16, 17) are disposed at the upper and lower legs (12, 12', 13, 13') for the

accommodation of centring elements, and in that the carrying roller(s) (8) of the carriage (5) are supported in the region of the main track on the running paths (7) of both legs (13, 13') oriented towards each other, of the adjoining guiding rails (6, 6'), whereas the guiding roller(s) (9, 10) of the first of the spaced apart carriages (5) is (are) positively guided in one guiding rail (6) and the guiding roller(s) (9, 10) of the second carriage (5) is (are) positively guided in the adjacent guiding rail (6').

2. A rail guide according to claim 1, characterized in that the guiding roller(s) (9, 10), assigned to the adjacent guiding rails (6, 6') of the rail guide (1) of a carriage (5), are executed having different heights.
3. A rail guide according to claim 1 and 2, characterized in that, at the free end of the upper horizontal leg (12, 12') of the guiding rail (6, 6'), a flange (18) is disposed oriented against the carriage (5).
4. A rail guide according to any of the claims 1 to 3, characterized in that the upper horizontal leg (12, 12') of the guiding rail (6, 6'), at the surface (20)

thereof oriented against a sub-construction (19), presents an undercut groove (21) for the accommodation of attachments screws (22).

5. A rail guide according to claim 4, characterized in that the sub-construction (19) presents a web-like suspended plate (23) and a hook-like projection (25) of a bracket (24), for covering a ceiling cover, engages with the groove (21) extending between the adjacent suspended plates (23).